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PPD 4  
Docket: 91082

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Maitlandt et al. Group Art Unit: 2821  
Serial No.: 10/747,818 Examiner: To Be Assigned  
For: Electrically Variable Beam Tilt Antenna Filed: December 29, 2003

### FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

- 1 Pursuant to 37 CFR 1.97(b)  
[within 3 months of filing or prior to 1<sup>st</sup> Office Action]
- 2 Certification Pursuant to 37 CFR 1.97(c)  
[before Final Office Action or Allowance]
- 3 Fee Payment Pursuant to 37 CFR 1.97(c)  
[before Final Office Action or Allowance]
- 4 Petition, Certification & Petition Fee Payment Pursuant to 37 CFR 1.97(d)  
[before issue fee payment]

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

SIR:

The following are submitted in the above identified application in compliance with 37 CFR 1.97 & 1.98:

- 5 A list of documents on Form PTO-1449 together with copies of each identified document and a translation or a concise explanation of each non-English language document is enclosed herewith.

This paper is submitted in accordance with:

- 6 37 CFR 1.97(b): [within 3 months of filing or prior to 1<sup>st</sup> Office Action]
- 7 37 CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier]; and
  - 8 The required certification made in item 11 below; or
  - 9 The \$180.00 fee specified in 37 CFR § 1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.
- 10 37 CFR 1.97(d): [before issue fee payment]; and
  - a) This is a petition for consideration of the subject Information Disclosure Statement. The petition fee (\$180.00) required by 37 CFR 1.17(i)(l) is authorized in item 14 below. (Direct this letter to: "Attention PETITIONS EXAMINER" and if applicable include batch locator information: e.g. "Allowed Files, Batch \_\_\_\_\_, Date of Allowance \_\_\_\_\_"), and
  - b) The required Certification is stated in item 11 below.

[ ] 11 Certification

[ ] 12 Each item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or

[ ] 13 No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this document after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Statement.

[X] 14 Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 23-0920. An original and one (1) copy of this document are enclosed.

In the judgment of the undersigned, portions of the references may be material to the examination of the pending claims. However, the references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative importance of any portion of the references or to whether the references are considered "analogous art." This Statement is not a representation that the cited references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. Section 102 or 103. This Information Disclosure Statement shall not be construed as an admission that the statement or cited references are, or are considered to be, material to the patentability under 37 C.F.R. Section 1.97(h).

Respectfully submitted,

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December 20, 2004

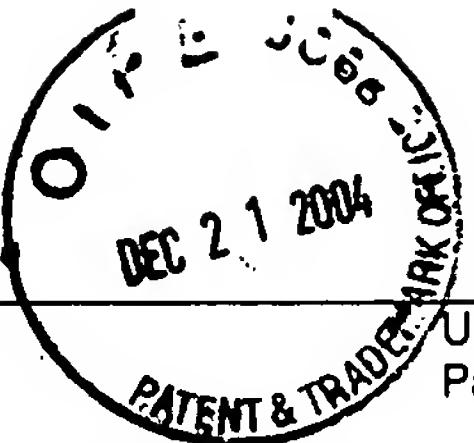
**CERTIFICATE OF MAILING**

I hereby certify that his paper is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on this date:

December 20, 2004

Date

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Attorney for Applicants

Form PTO-1449  
(Rev. 8-88)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney Docket No.  
91082Serial No.  
10/747,818FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)

Applicant

Maitlandt et al.

Filing Date

December 29, 2003

Group No.

2821

## U.S. PATENT DOCUMENTS

Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
		2,968,808	01-17-61	Russell			
		4,241,352	12-23-80	Alspaugh et al.			
		4,788,515	11-29-88	Wong et al.			
		5,184,140	02-02-93	Hariu et al.			
		5,281,974	01-25-94	Kuramoto et al.			
		5,440,318	08-08-95	Butland et al.			
		5,488,737	01-30-96	Harbin et al.			
		5,512,914	04-30-96	Hadzoglou et al.			
		5,551,060	08-27-96	Fujii et al.			
		5,801,600	09-01-98	Butland et al.			
		5,805,996	09-08-98	Salmela			
		5,818,385	10-06-98	Bartholomew			
		6,198,458 B1	03-06-01	Heinz et al.			

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
		AU-B-41625/93	01-20-94	Australia			X	
		AU 656857	07-29-93	Australia			X	
		JP 5-121915	05-18-93	Japan			X	
		JP 06-326501	11-25-94	Japan			X	
		JP 08047043A	02-16-96	Japan			X	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Variable Electron Beam - Aerial System For 1½ meters, Journal IEEE, Part IIIA, Vol. 93, 1946, Bacon, G. E.

Examiner	Date Considered
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

